



MATERIAL SAFETY DATA SHEET

6-505
12.3.8 v.9

Recycled Gypsum

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Last Updated June 5, 2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Recycled Gypsum
CAS Number: 7778-18-9

Product Number:

Company Identification: Recovery 1
1630 E. 18th Street
Tacoma, Washington 98421
253-627-1180 (For product information)
Fax 253-627-2231
1-202-483-7616 (For emergencies - Chemtrec)

Web: www.recovery1.com

2. COMPOSITION / INFORMATION ON INGREDIENTS:

CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number	OSHA PEL	ACGIH TLV
Gypsum (Calcium sulfate)	>95% (+/- 5%)	7778-18-9	15 mg/m3 5 mg/m3 respirable	10 mg/m3

Particulates Not Otherwise Classified or Regulated

COMPOSITION COMMENT: Gypsum contains naturally occurring crystalline silica (quartz). Due to its natural occurrence, the exact percentage of crystalline silica is unknown. Both OSHA PEL and ACGIH TLV are 0.1 mg/m3 for respirable quartz dust.

California Prop 65: This product does contain an ingredient which is known to the state of California to cause cancer, birth defects, or other reproductive harm. SiO₂, Silicon Dioxide from long term inhalation. See Section 15.

HAZARDS DISCLOSURE: This product contains known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200 except as listed above. As defined under Sara 311 and 312, this product contains known hazardous materials.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Caution! Excessive inhalation of crystalline silica is a serious health concern and list as a lung carcinogen. Cutting, sanding or otherwise working with this product can generate large amounts of dust.

HMIS/NFPA Rating:

Health - 1, Flammability - 0, Reactivity - 0, Personal Protection Index - 1

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

Protective Equipment: 1 = Dust respirator under dust generating conditions.

POTENTIAL HEALTH EFFECTS

INHALATION: Acute, short term exposure; mild and temporary discomfort to respiratory tract. Similar to nuisance dust. Excessive inhalation of crystalline silica is a serious health concern.

INGESTION: Not Listed.

SKIN CONTACT: No hazard known or expected.

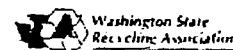
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EYE CONTACT: Dust may cause mechanical irritation, redness, pain, and corneal damage if not flushed out promptly.

CHRONIC EXPOSURE: Chronic, long term exposure (10 years - 30 years), may result in pulmonary fibrosis (silicosis). Aggravates bronchitis, asthma and emphysema.

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Bronchitis, Emphysema and Asthma. Smoking is known to aggravate the effects of exposure. Persons with silicosis may develop tuberculosis. Exposure to crystalline silica may also result in scleroderma and/or kidney disease and is listed as a lung carcinogen by the International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP)

4. FIRST AID MEASURES

INHALATION FIRST AID: If a respiratory problem develops from dust. Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give 100% oxygen with rescue breathing or CPR as required and transport to the nearest medical facility. Normally all that is required will be to bring victim to fresh clean air.

SKIN CONTACT FIRST AID: Wash with water. Launder contaminated clothing before reuse.

EYE CONTACT FIRST AID: If dust comes into contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation persists get medical attention immediately.

INGESTION FIRST AID: First aid procedures not normally required.

STATEMENT OF PRACTICAL TREATMENT: Always have plenty of water available for first aid. Get medical attention if any symptoms develop or persist.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Not flammable.

FLAMMABLE LIMITS IN AIR, % by Volume: Not applicable

AUTO IGNITION TEMPERATURE: Not available

EXTINGUISHING MEDIA: Water, dry chemical, alcohol foam, or carbon dioxide. Material floats on water. Water spray may be used to keep exposed material cool. Do not allow water runoff to enter sewers or waterways.

FIRE & EXPLOSION HAZARDS: NONE

6. ACCIDENTAL RELEASE MEASURES

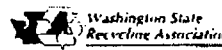
PERSONAL PRECAUTIONS: Physical form requires no obvious personal protective equipment when cleaning up spills. Wear a dust mask if particulate count exceeds limits.

SPILLS PROCEDURE: Material may be wetted with water to reduce dust and collected for reprocessing or disposal. To prevent blockage, do not wash down drain.

ENVIRONMENTAL PRECAUTIONS: None.

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7. HANDLING AND STORAGE

RECOMMENDED STORAGE CONDITIONS: Avoid conditions of extreme humidity.

SHELF LIFE: Indefinite if stored properly.

HANDLING (PERSONNEL): Handle in accordance with good hygiene and safety procedures. Avoid breathing dust if present. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS: See Section 2 above.

VENTILATION SYSTEM: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

PERSONAL RESPIRATORS (NIOSH APPROVED): If the respirable particulate exposure limit is exceeded, wear a NIOSH approved dust mask.

SKIN PROTECTION: wear protective gloves and clothing to prevent skin contact and drying.

EYE PROTECTION: When mechanically working this product, safety glasses with side shields or coverall goggles are recommended for airborne dust exposures in excess of the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Solid

ODOR: Odorless

SOLUBILITY IN WATER: <0.2%

MELTING/FREEZING POINT: Not available

Auto ignition Temperature: Not available

Flash Point & Method: Not applicable – non-flammable

VAPOR PRESSURE: Not available

COLOR: Grey

BOILING POINT: Not available

SPECIFIC GRAVITY: 2.5

Evaporation Rate: Not available

pH: ~7

VOC: None

Decomposition Temperature: 1450°C

10. STABILITY AND REACTIVITY

STABILITY: The material is stable.

CONDITIONS TO AVOID: Contact with incompatibles, strong acid will generate carbon dioxide. Avoid moisture, hygroscopic.

POLYMERIZATION: Polymerization will not occur.

INCOMPATIBILITY: Strong acids, Strong oxidizing agents.

DECOMPOSITION PRODUCTS: None.



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11. TOXICOLOGICAL INFORMATION

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S): Lungs.

SIGNS AND SYMPTOMS OF EXPOSURE: Prolonged exposure can cause: Damage to the lungs.

Chronic exposure to crystalline silica (a naturally occurring contaminant in gypsum) in the respirable size has been shown to cause silicosis, a debilitating lung disease. In addition, the International Agency for Research on Cancer (IARC) classifies crystalline silica inhaled in the form of quartz or cristobalite from occupational sources as carcinogenic to humans, Group 1. The National Toxicology Program (NTP) classifies respirable crystalline silica as a substance which may be reasonably anticipated to be a carcinogen. OSHA does not regulate crystalline silica as a human carcinogen. Industrial hygiene monitoring to date has not identified any detectable respirable crystalline silica in dust sampling conducted during gypsum panel installation utilizing recommended procedures.

12. ECOLOGICAL INFORMATION

Environmental: No Data Available.

Aquatic Toxicity: No Data Available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Recycle if possible.

CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.

14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.), International (Water, I.M.O.), International (Air, I.C.A.O.)

PRODUCT LABEL: Recycled Gypsum

UN NUMBER: Non-Regulated material

PACKAGE CLASS: 50

D.O.T. HAZARD CLASS: NA

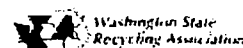
D.O.T. PROPER SHIPPING NAME: Not regulated

PACKING GROUP: NA

PRODUCT RQ (LBS): None

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15. REGULATORY INFORMATION - FEDERAL REGULATORY STATUS

OSHA Classification: Product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200. As a respirable dust only.

This product is also regulated by the Mine Safety Health Administration (MSHA).

Carcinogenicity: by IARC?: Yes (X) No () **by NTP?:** Yes (X) No ()

IARC classifies crystalline silica in Group 2A, "probably carcinogenic to humans." NTP classifies respirable crystalline silica in a category of substances which may "reasonably be anticipated to be carcinogens."

California Prop 65: Yes (X) No ()

Silica, crystalline (airborne particles of respirable size), is cited in 90 California Reg. Notice 984, Safe Drinking Water and Enforcement Act of 1986, as known to the state of California to cause cancer.

Not on the 302 list of SARA reportable quantities.

Poison Schedule: None allocated.

Canada WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists: ENCS (Japan), Korea, Australia, China (Draft), PICCS (Philippines), Japan (ENCS).

16. OTHER INFORMATION

Prepared By: Donato Polignone
Approved By: Donato Polignone
Approval Date: June 5, 2006

Part Number:
Title: MSDS Coordinator
Supersedes Date: None

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-1998)

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END OF MSDS